

AMENDMENT NO. 1 JUNE 2017
TO
IS 537 : 2011 TOLUENE — SPECIFICATION

(Second Revision)

(Page 1, Table 1) — Substitute the following for the existing:

Table 1 Requirements for Toluene
(Clauses 3 and 7.1)

Sl No. (1)	Characteristic (2)	Requirement (3)	Methods of Test, Ref to Annex/ IS / ASTM (4)
i)	Toluene ¹⁾ , percent by mass	99.8	ASTM D 2360 (By gas chromatography)
ii)	Appearance	Clear liquid free of sediment and haze when observed at 18.3 to 25.6°C	—
iii)	Colour, platinum-cobalt scale, <i>Max</i>	10	IS 8768
iv)	Relative density at 15.56/15.56°C or Density, 20°C, g/ml	0.869-0.873 0.865-0.870	A / ASTM D 4052 B / ASTM D 5433
v)	Total sulphur, ppm, <i>Max</i>	²⁾	C
vi)	Distillation range including the temperature 110.6°C at 101.3 kPa (760 mm of Hg pressure), , <i>Max</i> , °C	0.6	D
vii)	Non-aromatic hydrocarbons, <i>Max</i> , percent by mass	0.1	
viii)	Benzene content, mg/kg, <i>Max</i>	500	ASTM D 236
ix)	Thiophene content	²⁾	ASTM D 4735
x)	C 8 + Aromatics, ppm, <i>Max</i> ,	1 000	ASTM D 2360
xi)	Hydrogen sulphide (H ₂ S) and sulphurdioxide (SO ₂)	Absent	E
xii)	Water content, ppm	500	ISO 12937 ³⁾ / ASTM D 6304

[Page 1, Table 1, Note] — Substitute the following Notes for the existing:

‘NOTES

1 If purity by GC method [see Sl No. (i)] is carried out, distillation test is optional.

2 As agreed to between the purchaser and the supplier.

3 In case of any dispute, referee method is ISO 12937.’